5

10

TITLE OF THE INVENTION NOVEL GABAB RECEPTOR DNA SEQUENCES

ABSTRACT OF THE DISCLOSURE

DNA encoding a novel human GABAB receptor subunit, HG20, as well as the protein encoded by the DNA, is provided. Also provided is DNA encoding a novel murine GABAB receptor subunit, GABABR1a, as well as the protein encoded by the DNA. Heterodimers of HG20 protein and GABABR1a protein that form a functional GABAB receptor are disclosed. Methods of identifying agonists and antagonists of the GABAB receptor are also provided.